

WHAT IS CLAIMED IS:

1. A backlight module at least comprising:

a U-shaped fluorescent tube comprising:

a curved tube portion;

5                   two straight-tube luminous portions of equal length, parallel to each other and situated at the same side of the curved tube portion, wherein each of the straight-tube luminous portions has one end connected to one or the other end of the curved tube portion; and

                  two electrode portions correspondingly disposed at the other  
10 end of the two straight-tube luminous portions;

a first heat-dissipating structure which envelops the entire or partial of curved tube portion and is thermal-conductively connected to the curved tube portion;

                  a second heat-dissipating structure which envelops one of the two  
15 electrode portions and is thermal-conductively connected to the enveloped electrode portion; and

a third heat-dissipating structure which envelops the lower half of the central tube of one of the two straight-tube luminous portions and is thermal-conductively connected to the enveloped straight-tube luminous portion.

5        2.        The backlight module according to claim 1, wherein the materials for the first heat-dissipating structure, the second heat-dissipating structure and the third heat-dissipating structure are metals.

3.        The backlight module according to claim 1, wherein the materials for the first heat-dissipating structure, the second heat-dissipating structure and  
10        the third heat-dissipating structure are high heat-dissipating plastics.

4.        The backlight module according to claim 1, wherein the materials for the first heat-dissipating structure, the second heat-dissipating structure and the third heat-dissipating structure are high heat-dissipating rubbers.

5.        The backlight module according to claim 1, wherein the materials for  
15        the first heat-dissipating structure, the second heat-dissipating structure and the third heat-dissipating structure are high reflecting materials.

6.        The backlight module according to claim 1, wherein the materials for the first heat-dissipating structure, the second heat-dissipating structure and

the third heat-dissipating structure are transparent materials.

7. The backlight module according to claim 1, wherein the backlight module further comprises:

5 a heat-dissipating fluid for cooling off the central tube of one of the two straight-tube luminous portion and carrying away the heat generated thereby.

8. A backlight module at least comprising:

a bezel comprising:

a body portion; and

10 a first supporting portion and a second supporting portion, wherein the first supporting portion whose top end has a horsehoe slot and the second supporting portion whose top end has two fixing slots are disposed at the two ends of the body portion's top face respectively;

a U-shaped fluorescent tube comprising:

a curved tube portion;

15 two straight-tube luminous portions of equal length, parallel to each other and situated at the same side of the curved tube portion, wherein

each of the two straight luminous sections has one end connected to one or the other end of the curved tube portion; and

two electrode portions correspondingly disposed at the other end of the two straight-tube luminous portions;

5           two first heat-dissipating structures, which respectively envelops the two ends of the curved tube portion and are thermal-conductively connected to the curved tube portion, wherein the two first heat-dissipating structures are correspondingly fastened to the horseshoe slot such that the curved tube portion can be positioned therein; and

10           two second heat-dissipating structures, which respectively envelops the two electrode portions and are thermal-conductively connected to the two electrode portions, wherein the two second heat-dissipating structures are correspondingly fastened to the two fixing slots, such that the two electrode portions can be correspondingly positioned therein with the two straight-tube  
15           luminous portions situated above the body portion's top face.

9.       The backlight module according to claim 8, wherein the backlight module further comprises:

two third heat-dissipating structures which correspondingly envelops

the lower half of the central tube of the two straight-tube luminous portions and are thermal-conductively connected to the two straight-tube luminous portion.

10. The backlight module according to claim 9, wherein the materials for the two first heat-dissipating structure, the two second heat-dissipating structure and the two third heat-dissipating structure are metals.

11. The backlight module according to claim 9, wherein the materials for the two first heat-dissipating structure, the two second heat-dissipating structure and the two third heat-dissipating structure are high heat-dissipating plastics.

12. The backlight module according to claim 9, wherein the materials for the two first heat-dissipating structure, the two second heat-dissipating structure and the two third heat-dissipating structure are high heat-dissipating rubbers.

13. The backlight module according to claim 9, wherein the materials for the two third heat-dissipating structure are high reflecting materials.

14. The backlight module according to claim 9, wherein the materials for the third heat-dissipating structure are transparent materials.

15. The backlight module according to claim 8, wherein the backlight module further comprises:

a reflector sheet which is disposed on body portion's top face but is located between the first and the second supporting portions; and

5 two fourth heat-dissipating structures which are disposed on the reflector sheet for supporting the lower half of the central tube of the two straight-tube luminous portions and are thermal-conductively to the two straight-tube luminous portions.

16. The backlight module according to claim 15, wherein the materials for  
10 the two fourth heat-dissipating structures are metals.

17. The backlight module according to claim 15, wherein the materials for the two fourth heat-dissipating structures are high heat-dissipating plastics.

18. The backlight module according to claim 15, wherein the materials for the two fourth heat-dissipating structures are high heat-dissipating rubbers.

15 19. The backlight module according to claim 15, wherein the materials for the two fourth heat-dissipating structures are high reflecting materials.

20. The backlight module according to claim 8, wherein the backlight

module further comprises:

a heat-dissipating fluid for cooling off the central tube of one of the two  
straight-tube luminous portion and carrying away the heat generated thereby.

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